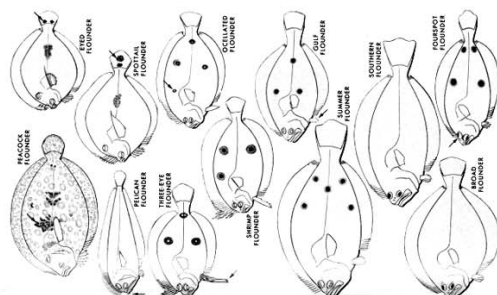


Appendix 44. Southern and Gulf flounder, ID, measurement and sample extraction instructions



Lefteye flounders:
Caudal fin separate. Eyes large.
Next 4 species: Left pelvic fin longer based and located on mid-line of belly. Size: Small to medium.

PEACOCK FLOUNDER *Bothus lunatus*
Bright blue rings on body. Blue spots on head and fins. 2-3 dark smudges on lateral line.

EYED FLOUNDER *Bothus ocellatus*
Dark blotch on lateral line. 2 dark spots at base of caudal fin.

SPOTTED TAIL FLOUNDER *Bothus robinsi*
Dark spots on caudal fin, placed one behind the other.

PELICAN FLOUNDER *Chascanopsetta lugubris*
Elongate. Large mouth. Lower jaw projects.

Next 8 species: Pelvic fins short, equal, and symmetrical.

THREE-EYE FLOUNDER *Anchlopsetta dilata*
3 ocelli in a triangle. Elongate dorsal- and anal-fin rays.

OCCELLATED FLOUNDER
Anchlopsetta quadrocclata
Like Three-eye flounder, but with a 4th ocellus above pectoral fin.

SHRIMP FLOUNDER *Gastropsetta frontalis*
3 ocelli: 1 above pectoral fin; 2 at midbody, one above the other.

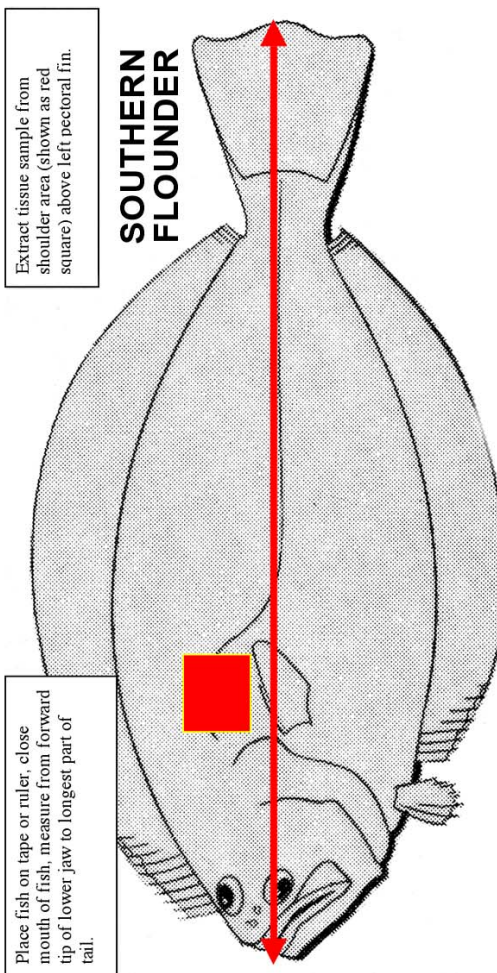
GULF FLOUNDER *Paralichthys albigutta*
3 ocelli in a triangle. Front dorsal-fin rays not elongate.

SUMMER FLOUNDER *Paralichthys dentatus*
No ocelli; but 5 placed as shown on rear part of body.

SOUTHERN FLOUNDER
Paralichthys lethostigma
No ocelli, but often spotted and blotched. Relatively slender.

BROAD FLOUNDER *Paralichthys squamipennis*
No ocelli. Body deep; its depth more than half standard length.

FOURSPOT FLOUNDER *Paralichthys oblongus*
4 ocelli. Eyes very large and close-set, nearly meeting.



Place fish on tape or ruler, close mouth of fish, measure from forward tip of lower jaw to longest part of tail.

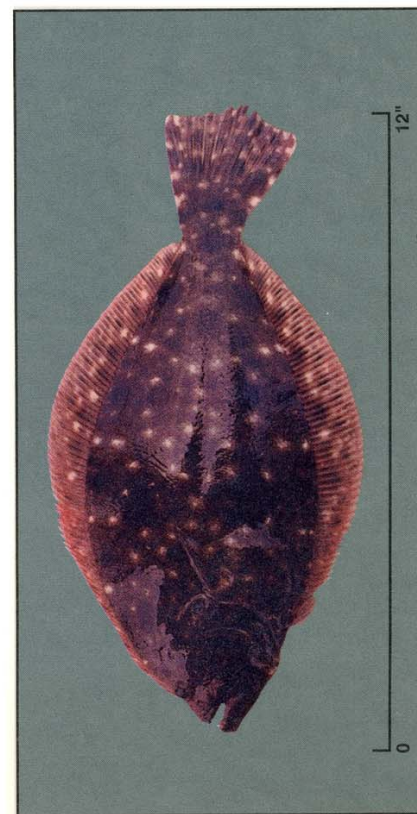
Extract tissue sample from shoulder area (shown as red square) above left pectoral fin.

SOUTHERN FLOUNDER

SOUTHERN FLOUNDER***
(Flounder, Mud Flounder, Flatfish, Southern Fluke, Plie)

Paralichthys lethostigma

Upper side brown, slightly blotched, bottom side uniformly creamy. Both eyes on dorsal side of head, body extremely flattened. Continuous fin on each side of body, prominent teeth.
Average 1-3 pounds



Collect sample cube (approx. 1 in. x 1 inch x 1 inch) from the meat nearest the backbone.

